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MURINE SOLUBLE RAGE_FC

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  51 GGGAGCTGTA GCTGGTGGTC AGAACATCAC AGCCCGGATT GGAGAGCCAC
 101 TTGTGCTAAG CTGTAAGGGG GCCCCTAAGA AGCCGCCCCA GCAGCTAGAA
 151 TGGAAACTGA ACACAGGAAG AACTGAAGCT TGGAAGGTCC TCTCTCCCCA
 201 GGGAGGCCCC TGGGACAGCG TGGCTCAAAT CCTCCCCAAT GGTTCCCTCC
 251 TCCTTCCAGC CACTGGAATT GTCGATGAGG GGACGTTCCG GTGTCGGGCA
 301 ACTAACAGGC GAGGGAAGGA GGTCAAGTCC AACTACCGAG TCCGAGTCTA
 351 CCAGATTCCT GGGAAGCCAG AAATTGTGGA TCCTGCCTCT GAACTCACAG
 401 CCAGTGTCCC TAATAAGGTG GGGACATGTG TGTCTGAGGG AAGCTACCCT
 451 GCAGGGACCC TTAGCTGGCA CTTAGATGGG AAACTTCTGA TTCCCGATGG
 501 CAAAGAAACA CTCGTGAAGG AAGAGACCAG GAGACACCCT GAGACGGGAC
 551 TCTTTACACT GCGGTCAGAG CTGACAGTGA TCCCCACCCA AGGAGGAACC
 601 ACCCATCCTA CCTTCTCCTG CAGTTTCAGC CTGGGCCTTC CCCGGCGCAG
 651 ACCCCTGAAC ACAGCCCCTA TCCAACTCCG AGTCAGGGAG CCTGGGCCTC
 701 CAGAGGGCAT TCAGCTGTTG GTTGAGCCTG AAGGTGGAAT AGTCGCTCCT
 751 GGTGGGACTG TGACCTTGAC CTGTGCCATC TCTGCCCAGC CCCCTCCTCA
 801 GGTCCACTGG ATAAAGGATG GTGCACCCTT GCCCCTGGCT CCCAGCCCTG
 851 TGCTGCTCCT CCCTGAGGTG GGGCACGCGG ATGAGGGCAC CTATAGCTGC
 901 GTGGCCACCC ACCCTAGCCA CGGACCTCAG GAAAGCCCTC CTGTCAGCAT
 951 CAGGGTCACA GAAACCGGCG ATGAGGGGCC AGCTGAAGGC TCTGTGGGTG
1001 AGTCTGGGCT GGGTACGCTA GCCCTGGCCG AGCCCCGCGG ACCGACAATC
1051 AAGCCCTGTC CTCCATGCAA ATGCCCAGGT AAGTCACTAG ACCAGAGCTC
1101 CACTCCCGGG AGAATGGTAA GTGCTATAAA CATCCCTGCA CTAGAGGATA
1151 AGCCATGTCA AGATCCATTT CCATCTCTCC TCATCAGCAC CTAACCTCGA
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1701 CTGACCTGCA TGGTCACAGA CTTCATGCCT GAAGACATTT ACGTGGAGTG
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1851 AAGAACTGGG TGGAAAGAAA TAGCTACTCC TGTTCAGTGG TCCACGAGGG
1901 TCTGCACAAT CACCACACGA CTAAGAGCTT CTCCCGGACT CCGGGTAAAT
1951 GAGCTCAGCA CCCACAAAAC TCTCAGGTCC AAAGAGACAC CCACACTCAT
2001 CTCCATGCTT CCCTTGTATA AATAAAGCAC CCAGCAATGC CTGGGACCAT
2051 GTAATAG
```

Fig. 1A

MURINE SOLUBLE RAGE_FC

```
1   MPAGTAARAW VLVLALWGAV AGGQNITARI GEPLVLSCKG APKKPPQQLE
51  WKLNTGRTEA WKVLSPQGGP WDSVAQILPN GSLLLPATGI VDEGTFRCRA
101 TNRRGKEVKS NYRVRVYQIP GKPEIVDPAS ELTASVPNKV GTCVSEGSYP
151 AGTLSWHLDG KLLIPDGKET LVKEETRRHP ETGLFTLRSE LTVIPTQGGT
201 THPTFSCSFS LGLPRRRPLN TAPIQLRVRE PGPPEGIQLL VEPEGGIVAP
251 GGTVTLTCAI SAQPPPQVHW IKDGAPLPLA PSPVLLLPEV GHADEGTYSC
301 VATHPSHGPQ ESPPVSIRVT ETGDEGPAEG SVGESGLGTL ALA
```

Fig. 1B

MURINE solTNFRII_FC

```
   1 ATGGCGCCCG CCGCCCTCTG GGTCGCGCTG GTCTTCGAAC TGCAGCTGTG
  51 GGCCACCGGG CACACAGTGC CCGCCCAGGT TGTCTTGACA CCCTACAAAC
 101 CGGAACCTGG GTACGAGTGC CAGATCTCAC AGGAATACTA TGACAGGAAG
 151 GCTCAGATGT GCTGTGCTAA GTGTCCTCCT GGCCAATATG TGAAACATTT
 201 CTGCAACAAG ACCTCGGACA CTGTGTGTGC GGACTGTGAG GCAAGCATGT
 251 ATACCCAGGT CTGGAACCAG TTTCGTACAT GTTTGAGCTG CAGTTCTTCC
 301 TGTAGCACTG ACCAGGTGGA GACCCGCGCC TGCACTAAAC AGCAGAACCG
 351 AGTGTGTGCT TGCGAAGCTG GCAGGTACTG CGCCTTGAAA ACCCATTCTG
 401 GCAGCTGTCG ACAGTGCATG AGGCTGAGCA AGTGCGGCCC TGGCTTCGGA
 451 GTGGCCAGTT CAAGAGCCCC AAATGGAAAT GTGCTATGCA AGGCCTGTGC
 501 CCCAGGGACG TTCTCTGACA CCACATCATC CACAGATGTG TGCAGGCCCC
 551 ACCGCATCTG TAGCATCCTG GCTATTCCCG GAAATGCAAG CACAGATGCA
 601 GTCTGTGCGC CCGAGTCCCC AACTCTAAGT GCCATCCCAA GGACACTCTA
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 701 GGCCCAGCCA AACTCCAAGC ATCCTTACAT CGTTGGGTTC AACCCCCATT
 751 ATTGAACAAA GTACCAAGGG TGGCGAGCCC CGCGGACCGA CAATCAAGCC
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1501 ACAACGGGAA AACAGAGCTA AACTACAAGA ACACTGAACC AGTCCTGGAC
1551 TCTGATGGTT CTTACTTCAT GTACAGCAAG CTGAGAGTGG AAAAGAAGAA
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1701 CAGCACCCAC AAAACTCTCA GGTCCAAAGA GACACCCACA CTCATCTCCA
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1801 AGGAATTATC
```

Fig. 2A

```
MURINE solTNFRII_FC
MAPAALWVAL VFELQLWATG HTVPAQVVLT PYKPEPGYEC QISQEYYDRK 51
AQMCCAKCPP GQYVKHFCNK TSDTVCADCE ASMYTQVWNQ FRTCLSCSSS 101
CSTDQVETRA CTKQQNRVCA CEAGRYCALK THSGSCRQCM RLSKCGPGFG 151
VASSRAPNGN VLCKACAPGT FSDTTSSTDV CRPHRICSIL AIPGNASTDA 201
VCAPESPTLS AIPRTLYVSQ PEPTRSQPLD QEPGPSQTPS ILTSLGSTPI 251
IEQSTKGG
```

Fig. 2B

AN EXAMPLE OF A HUMAN RAGE-LBE FUSED TO AN Fc (AMINO ACID SEQUENCE)

MAAGTAVGAWVLVLSLWGAVVGAQNITARIGEPLVLKC
KGAPKKPPQRLEWKLNTGRTEAWKVLSPQGGGPWDSVA
RVLPNGSLFLPAVGIQDEGIFRCQAMNRNGKETKSNYRV
RVYQIPEKPEIVDSASELTAGVPNKVGTCVSEGSYPAGTL
SWHLDGKPLVLNEKGVSVKEQTRRHPETGLFTLQSELMV
TPARGGDPRPTFSCSFSPGLPRHRALRTAPIQPRVWEPVPL
EEVQLVVEPEGGAVAPGGTVTLTCEVPAQPSPQIHWMKD
GVPLPLPPSPVLILPEIGPQDQGTYSCVATHSSHGPQESRA
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VTCVVVDVSHEDPEVKFNWYVDGVEXQNAKTKPREEQY
NSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT
ISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPS
DIAVEWESNGQPENKCKTTPPVLDSDGSFFLYSKLTVDKS
RWQQGNVFSCSVMHEALHNHYTQKSLSLSPGKStop

Fig. 3A

AN EXAMPLE OF A HUMAN RAGE-LBE FUSED TO AN Fc (NUCLEIC ACID SEQUENCE)

atggcagccg gaacagcagt tggagcctgg gtgctggtcc tcagtctgtg
gggggcagta gtaggtgctc aaaacatcac agcccggatt ggcgagccac
tggtgctgaa gtgtaagggg gcccccaaga aaccacccca gcggctggaa
tggaaactga acacaggccg gacagaagct tggaaggtcc tgtctcccca
gggaggaggc ccctgggaca gtgtggctcg tgtccttccc aacggctccc
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cggctggtgt tcccaataag gtggggacat gtgtgtcaga gggaagctac
cctgcaggga ctcttagctg gcacttggat gggaagcccc tggtgctgaa
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ggctcttcac actgcagtcg gagctaatgg tgaccccagc ccggggagga
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cctggtggaa ccgtaaccct gacctgtgaa gtccctgccc agccctctcc
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cacaggtgta caccctgccc ccatcccggg aggagatgac caagaaccag
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ccgtgctgga ctccgacggc tccttcttcc tctatagcaa gctcaccgtg
gacaagagca ggtggcagca ggggaacgtc ttctcatgct ccgtgatgca
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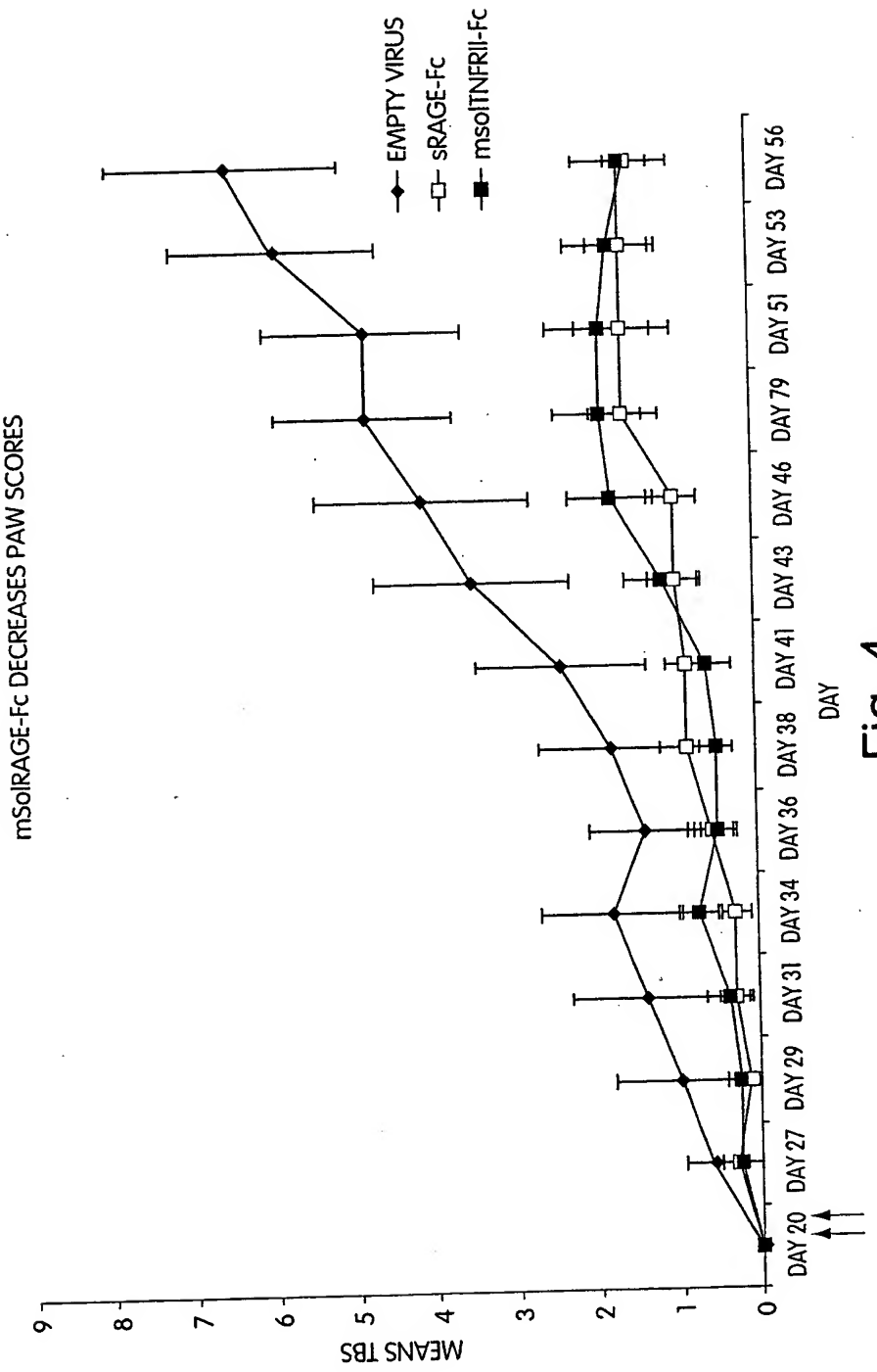
Fig. 3B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EMPTY VIRUS
sRAGE-Fc
msolTNFRII-Fc
MEANS TBS
0
1
2
3
4
5
6
7
8
9
DAY 20
DAY 27
DAY 29
DAY 31
DAY 34
DAY 36
DAY 38
DAY 41
DAY 43
DAY 46
DAY 79
DAY 51
DAY 53
DAY 56
DAY

Fig. 4

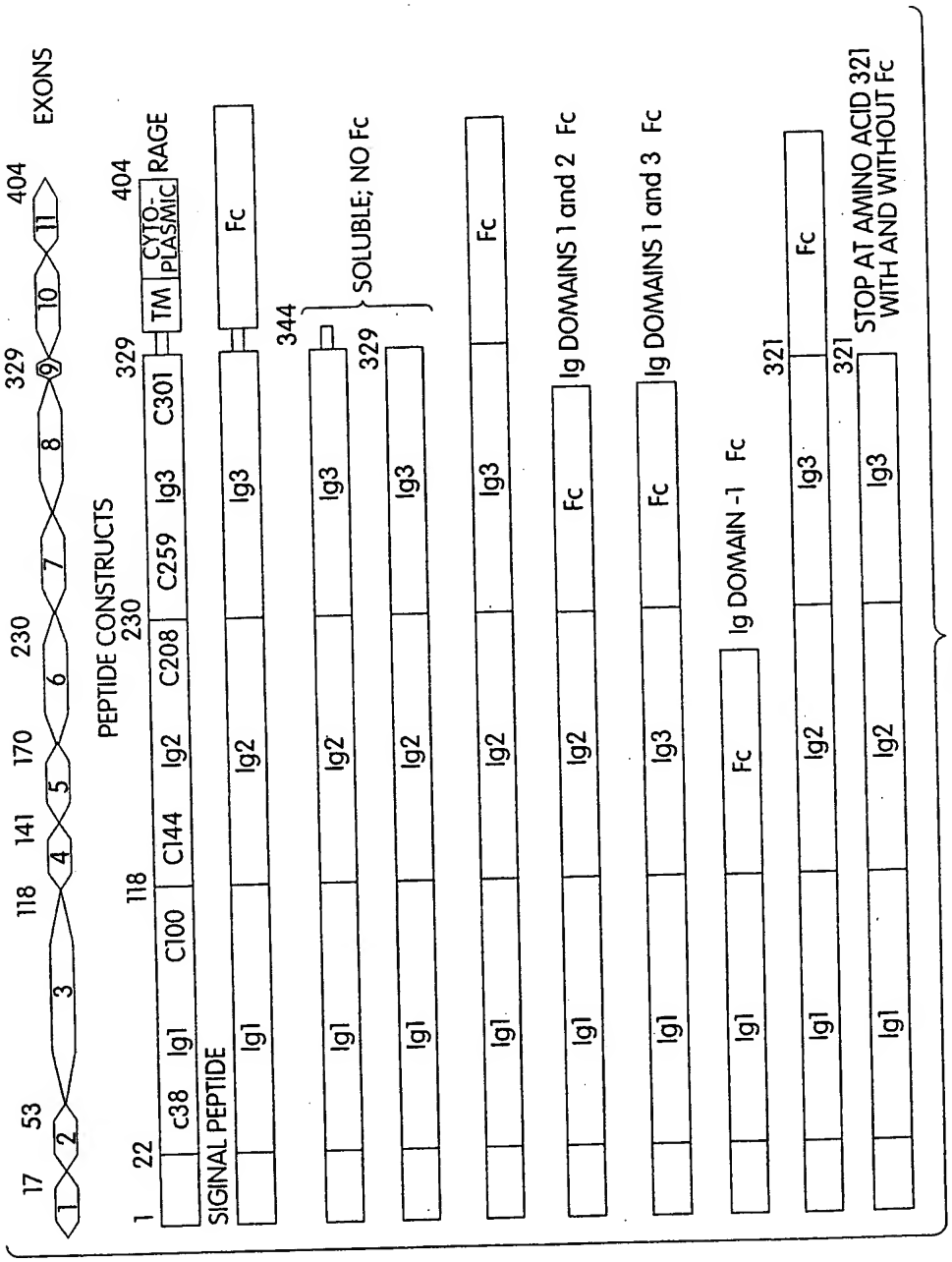
EXONS
PEPTIDE CONSTRUCTS
SIGNAL PEPTIDE
c38
Ig1
C100
C144
Ig2
C208
C259
Ig3
C301
TM
CYTO-PLASMIC
RAGE
Fc
SOLUBLE; NO Fc
Ig DOMAINS 1 and 2 Fc
Ig DOMAINS 1 and 3 Fc
Ig DOMAIN -1 Fc
STOP AT AMINO ACID 321
WITH AND WITHOUT Fc

Fig. 5

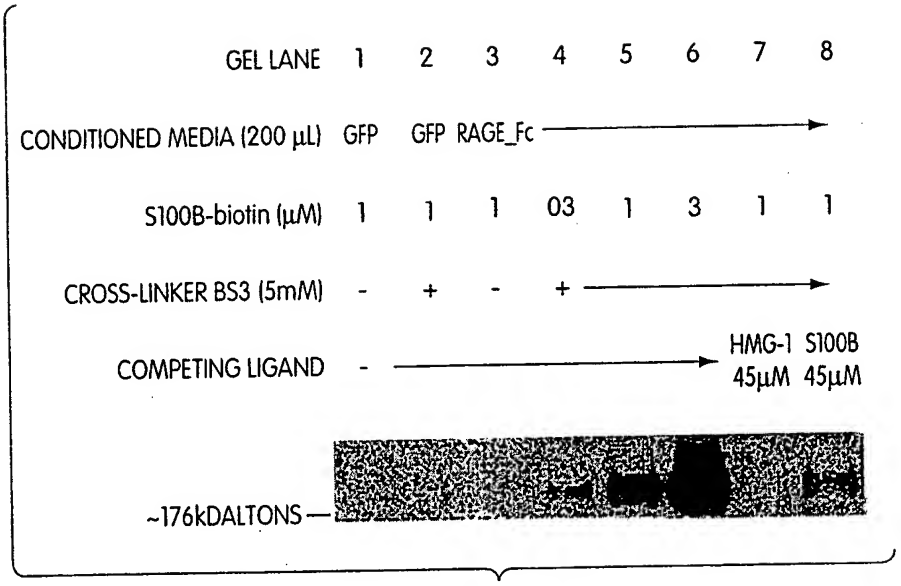

Fig. 6

HUMAN RAGE AMINO ACID SEQUENCE
(FULL LENGTH PRECURSOR SEQUENCE)

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 61 wkvlspqggg pwdsvarvlp ngslflpavg iqdegifrcq amnrngketh snyrvrvyqi
121 pgkpeivdsa seltagvpnk vgtcvsegsy pagtlswhld gkplvpnekg vsvkeqtrrh
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361 ilwqrrqrrg eerkapenqe eeeeraelnq seepeagess tggp
```

Fig. 7

HUMAN RAGE NUCLEIC ACID cDNA SEQUENCE

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1     gtccctggaa ggaagcagga tggcagccgg aacagcagtt ggagcctggg tgctggtcct
61    cagtctgtgg ggggcagtag taggtgctca aaacatcaca gcccggattg gcgagccact
121   ggtgctgaag tgtaaggggg ccccccaagaa accaccccag cggctggaat ggaaactgaa
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241   tgtggctcgt gtccttccca acggctccct cttccttccg gctgtcggga tccaggatga
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421   ggctggtgtt cccaataagg tggggacatg tgtgtcagag ggaagctacc ctgcagggac
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961   tgctgtcagc atcagcatca tcgaaccagg cgaggagggg ccaactgcag gctctgtggg
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Fig. 8

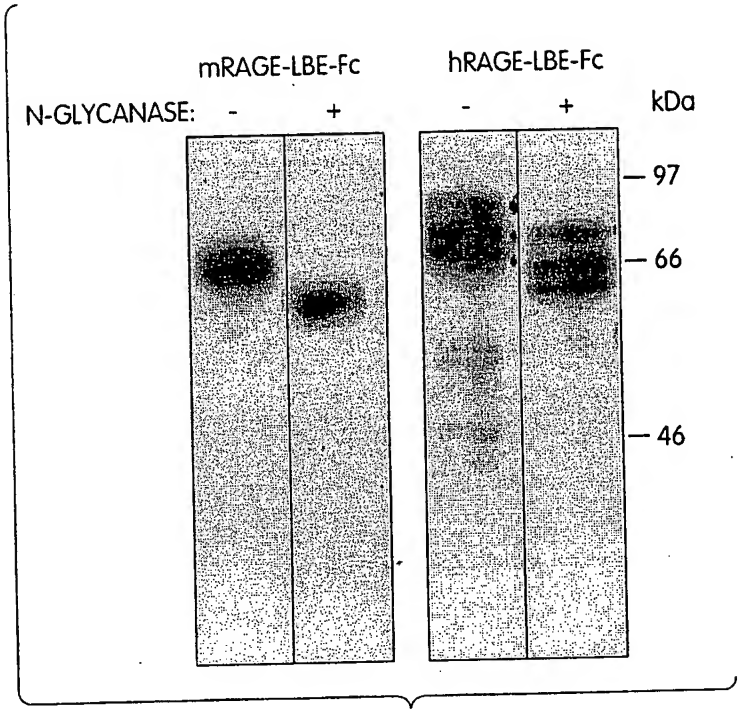

Fig. 9

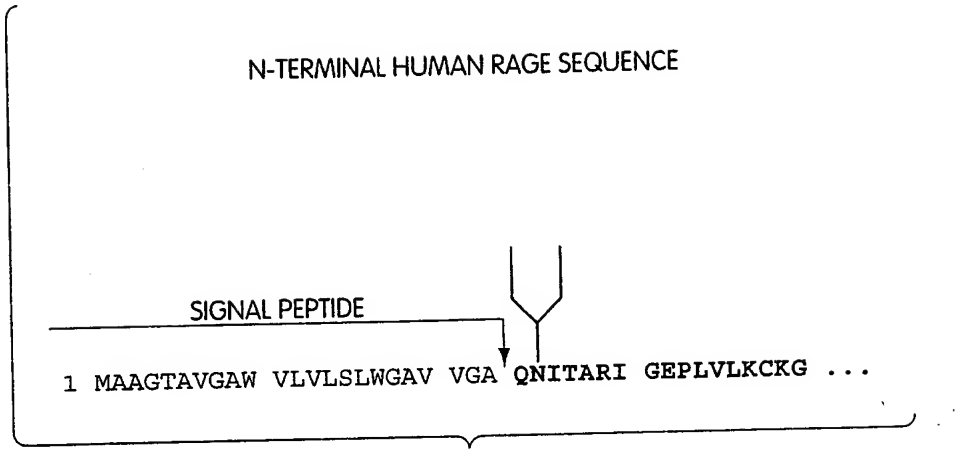
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Fig. 10